

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A control apparatus controlling a ~~predetermined~~ an information processing apparatus, ~~characterized by~~ comprising:

detection means for detecting an information processing apparatus through wireless communication;

first acquisition means for acquiring ~~respective~~ operation screen information of a plurality of ~~said~~ information processing apparatuses when the ~~if said~~ plurality of information processing apparatuses are ~~[[is]] detected by said detection means, each said first acquisition means being acquisition means for acquiring said operation screen information including a full display for controlling the corresponding information processing apparatus for displaying said operation screen that is to be operated when said information processing apparatus is controlled;~~

storage management means for storing the ~~managing storage of said already-acquired~~ operation screen information;

editing means for editing the ~~said plurality of~~ operation screen information to so- ~~that said plurality of operation screens are displayed~~ display operation screen information for the plurality of information processing apparatuses in a single display region ~~if said plurality of operation screen information is acquired by said first acquisition means;~~

display means for displaying the edited ~~said operation screens based on said~~ operation screen information ~~edited by said editing means; and~~

control means for controlling the ~~[[said]]~~ information processing apparatuses based on an input provided ~~from said~~ to the displayed operation screens ~~displayed by said display means;~~

~~wherein said first acquisition means acquires said operation screen information storage; of which is managed by said storage management means.~~

2. (Currently Amended) The control apparatus according to claim 1, ~~characterized in that~~ wherein the ~~[[said]]~~ first acquisition means acquires the ~~[[said]]~~ operation screen information from the ~~[[said]]~~ information processing apparatus through the ~~[[said]]~~ wireless communication.

3. (Currently Amended) The control apparatus according to claim 1, ~~characterized in that~~ wherein the ~~[[said]]~~ first acquisition means acquires the ~~[[said]]~~ operation screen information from a predetermined server ~~managing said operation screen information~~ through the ~~[[said]]~~ wireless communication.

4. (Cancelled).

5. (Currently Amended) The control apparatus according to claim 1, wherein ~~characterized in that said~~ the storage management means clears less frequently used operation screen information from among the ~~[[said]]~~ operation screen information, ~~said storage of which is managed.~~

6. (Currently Amended) The control apparatus according to claim 1, ~~characterized by~~ further comprising intensity detection means for detecting intensities of ~~said respective~~ radio waves emitted from the ~~[[said]]~~ plurality of information processing apparatuses,

wherein the ~~[[said]]~~ editing means edits, based on the intensities, ~~detection by~~ ~~said intensity detection means~~, the ~~[[said]]~~ operation screen information so that the ~~[[said]]~~ operation screen of the ~~[[said]]~~ information processing apparatus that emits a high intensity radio wave is displayed by priority.

7. (Currently Amended) The control apparatus according to claim 6, wherein ~~characterized in that said~~ the display means determines, based on ~~detection by the intensities~~ ~~said intensity detection means~~, whether the ~~or not said~~ control apparatus is out of a communication coverage with the ~~[[said]]~~ information processing apparatuses, and increases the transparency of the corresponding operation screen gradually at predetermined times when ~~if it is determined that said~~ the control apparatus is out of ~~[[said]]~~ the communication coverage,

~~said operation screen is displayed so that transparency thereof is gradually increased at every predetermined time.~~

8. (Currently Amended) The control apparatus according to claim 1, wherein ~~characterized in that said~~ the editing means edits the ~~[[said]]~~ plurality of operation screen information so that the ~~[[said]]~~ operation screen being operated is continuously displayed.

9. (Currently Amended) The control apparatus according to claim 1, ~~characterized by further comprising history management means for managing a history of control of the [[said]] information processing apparatus, which is performed by said control means.~~

10. (Currently Amended) The control apparatus according to claim 9, ~~characterized in that said wherein the editing means edits, based on the [[said]] history managed by said history management means, the [[said]] operation screen information so that the [[said]] operation screen of a most recently operated information processing apparatus is displayed by priority.~~

11. (Currently Amended) The control apparatus according to claim 9, ~~characterized in that said wherein the editing means edits, based on the [[said]] history managed by said history management means, the [[said]] operation screen information so that a most frequently used operation screen is displayed by priority.~~

12. (Currently Amended) The control apparatus according to claim 9, ~~characterized in that said wherein the editing means edits, based on the [[said]] history managed by said history management means, the [[said]] operation screen information so that the [[said]] operation screen[[,]] which is most likely to be used within a period of time including a current time[[,]] is displayed by priority.~~

13. (Currently Amended) The control apparatus according to claim 9, ~~characterized by further comprising selection means for selecting, based on the [[said]] history managed by said history management means, other information processing apparatus relevant to the [[said]] information processing apparatus whose operation screen is being displayed~~ displaying said operation screen thereof,

wherein the [[said]] editing means edits the [[said]] operation screen information so that the [[said]] operation screen of the [[said]] other processing apparatus ~~selected by said selection means~~ is displayed together with the [[said]] operation screen of the [[said]] information processing apparatus.

14. (Currently Amended) The control apparatus according to claim 13, ~~characterized in that said~~ wherein the selection means selects other information processing apparatus relevant to the [[said]] information processing apparatus based on a time difference between times at which the [[said]] information processing apparatus and the [[said]] other information processing apparatus are respectively controlled, the [[said]] times being obtained from the [[said]] history.

15. (Currently Amended) The control apparatus according to claim 1, ~~characterized in that said~~ wherein the operation screen information is described in an HTML (Hyper Text Markup Language).

16. (Currently Amended) The control apparatus according to claim 1, ~~characterized by further comprising second acquisition means for acquiring other~~

operation screen information in accordance with a category of the ~~[[said]]~~ information processing apparatus,

wherein the ~~[[said]]~~ display means displays, until the ~~[[said]]~~ operation screen information is acquired by the ~~[[said]]~~ first acquisition means, other operation screen based on the ~~[[said]]~~ other operation screen information acquired by the ~~[[said]]~~ second acquisition means.

17. (Currently Amended) The control apparatus according to claim 1, ~~characterized in that if said~~ wherein when the information processing apparatus transmits the ~~[[said]]~~ operation screen information, the ~~[[said]]~~ first acquisition means transmits feature information indicating a feature of the ~~[[said]]~~ control apparatus and acquires the ~~[[said]]~~ operation screen information transmitted from the ~~[[said]]~~ information processing apparatus in response to the ~~[[said]]~~ transmission.

18. (Currently Amended) A control method of a control apparatus for controlling ~~a predetermined~~ an information processing apparatus, ~~characterized by~~ comprising:

~~a detection step of~~ detecting the ~~[[said]]~~ information processing apparatus through wireless communication;

~~an acquisition step of~~ acquiring operation screen information for displaying an operation screen for controlling ~~that is to be operated when~~ the ~~[[said]]~~ information processing apparatus ~~is controlled~~ while acquiring ~~said respective~~ operation screen information of a plurality of ~~[[said]]~~ information processing apparatuses, each operating

screen information including a full display for controlling the corresponding information processing apparatus ~~if said plurality of information processing apparatuses is detected by a process in said detection step;~~

~~a storage management step of managing storage~~ storing the ~~of said already-acquired operation screen information;~~

~~an editing step of editing the said plurality of operation screen information so that a plurality of operation screens are displayed to display operation screen information for the plurality of information processing apparatuses in a single display region if said plurality of operation screen information is acquired by a process in said acquisition step;~~

~~a display step of displaying the edited said operation screens based on said operation screen information edited by a process in said editing step; and~~

~~a control step of controlling the [[said]] information processing apparatus based on an input provided from the [[said]] displayed operation screen information displayed by a process in said display step.~~

19. (Currently Amended) A computer-readable recording medium comprising recorded with a program which, when executed by a processor, performs a method readable by a computer, said program making a computer execute a process for controlling an a predetermined information processing apparatus, characterized by the method comprising:

~~a detection step of detecting an information processing apparatus through wireless communication;~~

~~an acquisition step of acquiring operation screen information for displaying an operation screen for controlling that is to be operated when said the information processing apparatus is controlled while acquiring said respective operation screen information of a plurality of [[said]] information processing apparatuses, each operating screen information including a full display for controlling the corresponding information processing apparatus if said plurality of information processing apparatuses is detected by a process in said detection step;~~

~~a storage management step of managing storage of said already acquired storing the operation screen information:~~

~~an editing step of editing the said plurality of operation screen information so that a plurality of operation screens is displayed in a to display operation screen information for the plurality of information processing apparatuses in a single display region if said plurality of operation screen information is acquired by a process in said acquisition step;~~

~~a display step of displaying the edited said operation screen based on said operation screen information edited by a process in said editing step; and~~

~~a control step of controlling the [[said]] information processing apparatus based on an input provided from the displayed [[said]] operation screen information displayed by a process in said display step.~~

20. (Cancelled).

21. (Currently Amended) An information processing apparatus being controlled by ~~controlling an operation thereof based on an instruction from~~ a control apparatus, ~~characterized by~~ comprising:

storage means for storing operation screen information, ~~which that~~ is a constituent element for editing of a plurality of operation screens to be edited by the ~~the~~ [[said]] control apparatus, the ~~the~~ [[said]] operation screen information being operation-screen information making providing the ~~the~~ [[a]] control apparatus with a full display ~~[[an]] operation screen, the operation screen providing controls for the information processing apparatus that is to be operated when said information processing apparatus is controlled; and~~

transmission means for transmitting the ~~the~~ [[said]] operation screen information stored by said storage means to the ~~the~~ [[said]] control apparatus through wireless communication in response to a request from the ~~the~~ [[said]] control apparatus,

wherein the control apparatus edits the operating screen information to display a plurality of operating screens for a plurality of information processing apparatuses within a single display.

22. (Currently Amended) The information processing apparatus according to claim 21,

~~characterized in that said~~ wherein the operation screen information is selected based on feature information indicating a feature of the ~~the~~ [[said]] control apparatus, and

wherein the ~~the~~ [[said]] transmission means transmits the selected ~~the selected~~ [[said]] operation screen information selected based on said feature information to said control apparatus.

23. (Currently Amended) An information processing method of an information processing apparatus being controlled by controlling an operation thereof based on an instruction from a control apparatus, the method characterized by comprising:

~~a storage step of storing operation screen information, which that is a constituent element for editing of a plurality of operation screens to be edited by the [[said]] control apparatus, the [[said]] operation screen information providing the being operation-screen information making a control apparatus with a full display [[an]] operation screen, the operation screen providing controls for the information processing apparatus that is to be operated when said information processing apparatus is controlled; and~~

~~a transmission step of transmitting the [[said]] operation screen information stored by a process in said storage step to the [[said]] control apparatus through wireless communication in response to a request from the [[said]] control apparatus,~~

wherein the control apparatus edits the operating screen information to display a plurality of operating screens for a plurality of information processing apparatuses within a single display.

24. (Currently Amended) A computer-readable recording medium recorded with comprising a program which, when executed by a processor, performs a method readable by a computer, said program making a computer execute a process for controlling an operation based on an instruction from a control apparatus, the method characterized by comprising:

~~a storage step of storing operation screen information, which that is a constituent element for editing of a plurality of operation screens to be edited by the [[said]] control apparatus, the [[said]] operation screen information providing ~~being operation screen information making a~~ the control apparatus with a full display [[an]] operation screen, the operation screen providing controls for the information processing apparatus that is to be operated when said information processing apparatus is controlled; and~~

~~a transmission step of transmitting the [[said]] operation screen information stored by a process in said storage step to the [[said]] control apparatus through wireless communication in response to a request from the [[said]] control apparatus,~~

~~wherein the control apparatus edits the operating screen information to display a plurality of operating screens for a plurality of information processing apparatuses within a single display.~~

25. (Cancelled).